

## SUBJECT AND AUTHOR INDEX

Actinoceras.....	56, 58, 241
enterprisense.....	9
Actinoceroid, curved.....	250
from Clermont.....	250
Age of Cincinnati anticline.....	201
of Nashville anticline.....	201
Alabama Silurian.....	133, 170, 171, 176
Albertoceras.....	260, 261
walcotti.....	261
Alger clay shale.....	127, 129, 132, 134, 138, 139, 152
Allopioceras.....	260, 262
tennesseense.....	262
Allumettoceras.....	48
paquettense.....	49
sp.....	9
subequilaterale.....	9
Amphoroceras.....	260, 263
minimum.....	263
Apsidoceras boreale.....	3
Armenoceras clermontense.....	232, 241, 249, 250
iowense.....	232, 249
madisonense.....	232
richardsoni.....	233
Ascoceras canadense.....	19
Astraeospongia meniscus.....	168, 180, 196, 197
Bainbridge group.....	198
Bass Island group.....	185
Bassleroceras.....	260, 263
perseus.....	263
Beavertown marl.....	149
Beech River formation.....	181, 195, 197
Beekmanoceras.....	260, 264
priseum.....	264
Belfast zone.....	147, 188
Beloitoceras.....	28, 31, 39
breviposticum.....	9, 34
discrepans.....	253
fremontense.....	29, 30
landerense.....	30
pandion.....	28

- Beloitoceras plebium*..... 9, 30  
     *popoagiense*..... 29, 30  
     *subrectum*..... 9  
     *whitneyi*..... 251, 253, 254  
     *cf. whitneyi*..... 252  
 Bertie formation..... 198  
 Bibliography of Silurian formations of east-central States..... 202  
 Big Horn and related cephalopods..... 1  
 Billingsites..... 6, 13  
     *bellicinctus*..... 9  
     *canadensis*..... 19  
     *costatulus*..... 12  
     *landerensis*..... 20  
     *multicameratus*..... 9, 10, 21, 85, 88  
 Bisher formation..... 128, 136, 138, 140, 191  
 Blue Cliff and Shales..... 135, 137, 140, 141  
 Bob formation..... 181, 183, 196, 197  
 Brassfield limestone..... 123, 145, 163, 174, 175, 189  
 Brownsport group..... 180, 197  
 Burenoceras..... 260, 264, 278, 279  
     *pumilum*..... 265  
 Buthotrephis *cf. succulens*..... 10  
 Butsoceras..... 260, 265  
     *adamsi*..... 265  
  
 Cameroceras..... 16  
     *huzzahense*..... 283  
     *trentonense*..... 16  
 Campbelloceras..... 260, 265  
     *virginianum*..... 265  
 Canadian cephalopods..... 259  
 Cassinoceras..... 260, 266  
     *explanator*..... 266  
 Catazyga *uphami*..... 46  
 Catoraphiceras..... 260, 266  
     *lobatum*..... 266  
 Cayuga of Ohio..... 185, 198  
 Cedarville dolomite..... 129, 135, 137, 144, 145, 156, 158, 193  
 Centerville formation..... 145, 148, 187  
 Centrocyrtoceras..... 27  
     *rotundum*..... 11, 27  
     *subannulatum*..... 27  
 Centrotarphyceas..... 260, 267  
     *seelyi*..... 267  
 Cephalopods, Big Horn and related..... 1  
     of Maquoketa shale..... 231  
     Ozarkian and Canadian..... 259  
 Chamberlain, C. W., and Warren, Kenneth Lyle, Study of phenomenon of wetting films..... 206

Charactoceras	6, 13, 83, 85
baeri	83, 232, 254, 255, 256
canyonense	4, 11, 83, 84
costatulum	9
laddi	232, 254
plicatum	85
washakiense	9, 85
Charactocerina	13, 85
costatula	9, 87
kirki	10, 86
multicamerata	85, 88
plicata	3, 12, 85
washakiensis	9, 87, 88
Cincinnati anticleine	122, 125, 126, 146, 199
Clarkoceras	260, 267
newtonwinchelli	268
Clinton of eastern Kentucky	127
of southern Ohio	127
Clitendoceras	260, 268, 269
saylesi	268
Conocerina	260, 268
brevis	269
Correlation of Silurian formations	187
of Silurian Formations in Southwestern Ohio, Southeastern Indiana, Kentucky, and Western Tennessee	119
Cotteroceras	260, 269, 276
compressum	269, 270
Crab Orchard group	127
Crinoid columnals of Brassfield formation	124, 146
Cryptolithus	7
Curved actinoceroid	250
Cyclendoceras abundum	8
annulatum	10
atkinsonense	237
clermontense	235, 236, 237
costelliferum	9, 233
cylindricum	9
depressum	9
expansum	9
longum	9
popoagiense	9
sp.	238
thomasi	236
whiteavesi	233
Cycloceras selkirkense	12, 27
Cyrtendoceras	260, 270
ruedemanni	270
Cyrtendoceras	264
priscum	264

<i>Cyrtoceras annulatum</i> .....	27
<i>cambria</i> .....	284
<i>confertissimum</i> .....	283
<i>cuneatum</i> .....	40
<i>dactyloides</i> .....	272
<i>laticurvatum</i> .....	38
<i>loculosum</i> .....	283
<i>manitobense</i> .....	59
<i>metellus</i> .....	272
<i>raei</i> .....	286
<i>simplex</i> .....	39
<i>subannulatum</i> .....	27
<i>syphax</i> .....	276
<i>thompsoni</i> .....	47
<i>whitneyi</i> .....	251
<i>Cyrtocerina mercurius</i> .....	278
<i>Cyrtogomphoceras</i> .....	71
<i>angustisiphonatum</i> .....	9, 69
<i>contractum</i> .....	4, 11, 72, 77
<i>landerense</i> .....	72, 74
<i>magnum</i> .....	3, 12, 71, 72
<i>minor</i> .....	72, 78
<i>nutatum</i> .....	3
<i>perexpansum</i> .....	72, 73
<i>popoagiense</i> .....	72, 75
<i>rotundum</i> .....	9, 72, 76, 77
<i>cf. turgidum</i> .....	3
<i>vicinum</i> .....	72, 76
<i>whiteavesi</i> .....	3, 12, 72
<i>Cyrtorizoceras whitneyi</i> .....	251
<i>Dakeoceras</i> .....	260, 269, 271
<i>normale</i> .....	272
<i>Dalmanella testudinaria</i> .....	10
Dayton limestone.....	128, 129, 135, 138, 145, 149, 162, 192
Decatur formation.....	180, 181, 184, 197
<i>Deckeroceras</i> .....	92
<i>adaense</i> .....	11, 92, 93, 94, 232, 257
<i>clermontense</i> .....	232, 256
<i>sp. (Winneshiek Co., Iowa)</i> .....	94
<i>Deirotoceras dismukesense</i> .....	232
<i>shideleri</i> .....	232, 248
<i>Diestoceras</i> .....	13, 61, 69
<i>alceum</i> .....	62
<i>anticostiense</i> .....	62
<i>arenicolum</i> .....	62
<i>carletonense</i> .....	62
<i>clarkei</i> .....	62

<i>Diestoceras curtum</i> .....	62, 68
<i>flexisutile</i> .....	9, 71
<i>fremontense</i> .....	9, 62, 64, 65
<i>gibbosum</i> .....	12
<i>indianense</i> .....	61
<i>kirki</i> .....	9, 65
<i>landerense</i> .....	9, 64
<i>cf. landerense</i> .....	64
<i>magister</i> .....	62
<i>nobile</i> .....	3, 12
<i>occidentale</i> .....	11, 62, 67
<i>ornatum</i> .....	9, 66
<i>prolatum</i> .....	9, 69
<i>schucherti</i> .....	62, 68
<i>staufferi</i> .....	62
<i>tyrrelli</i> .....	62
<i>vagum</i> .....	62
<i>waleotti</i> .....	9, 11, 62, 66
<i>whiteavesi</i> .....	3, 12, 62
<i>Digenuoceras</i> .....	43
<i>latum</i> .....	3, 10, 12
<i>cf. latum</i> .....	44
<i>Diplograptus peosta</i> .....	240
Direction of origin of Silurian faunas.....	199
<i>Discoceras canadense</i> .....	12
Dixon clay.....	179, 196, 198
<i>Dowlingoceras ornatum</i> .....	9, 66
Durbin group.....	136, 202
<i>Dwightoceras</i> .....	260, 272
<i>dactyloides</i> .....	272
<i>Dyseritoceras</i> .....	260, 272
<i>metellus</i> .....	272
Early Devonian in southern Ohio.....	187
Eastern sources of Silurian faunas.....	199
<i>Echinospaerites</i> .....	11
<i>Ectenoceras</i> .....	259, 273, 274
<i>curvatum</i> .....	284
<i>ruedemanni</i> .....	273, 275
<i>Ectenolites</i> .....	260, 261, 272, 275, 276
<i>subgracile</i> .....	273
<i>Ectocycloceras</i> .....	260, 275
<i>cataline</i> .....	275
Edgewood formation.....	148
<i>Ellesmereoceras</i> .....	260, 275
<i>robsonense</i> .....	285
<i>scheii</i> .....	276

Endoceras.....	14, 17
angustum.....	8
curvilineatum.....	8
expansissimum.....	8
fulgur.....	8
giganteum.....	8
kayi.....	234
landerense.....	14
magnum.....	8
monsensis.....	290
nelsonense.....	8
paliforme.....	8
paradoxicum.....	15
problematicum.....	8, 16
proteiforme.....	14, 17, 234
sp.....	235
windriverense.....	8
Ehippiorthoceras dowlingi.....	6, 10, 233
formosum.....	233
laddi.....	241
modestum.....	233
sieboldi.....	233
tenuistriatum.....	241
Eremoceras.....	260, 269, 271, 276, 279
syphax.....	276
Euphemia dolomite.....	129, 136, 145, 154, 193
Eurystomites.....	265
plicatus.....	85
virginiana.....	265
Faunas, Silurian, index to.....	204
Fayettoceras.....	47
canyonense.....	4, 11, 47
thompsoni.....	47
Films, wetting.....	206
Flashometer, rotating.....	106, 107
Foerste, Aug. F.....	1, 119, 231, 259
Forsythe, W. E., New light sources for photographic purposes.....	97
Fossil lists, index to.....	204
Formations, index to.....	121
Fremontoceras.....	89
loperi.....	11, 89
Gant bed.....	180
Geisonoceras.....	22
clermontense.....	240
rivale.....	22
wauwatosense.....	22

Geisonocarina.....	22
landerensis.....	22
wauwatosensis.....	22
Gomphoceras minimum.....	263
Gonioceras.....	50
anceps.....	50
lambii.....	51
Graptolite horizon at Hamilton, Ontario.....	161
horizon in Mississinewa formation.....	161
Greenfield dolomite.....	137, 185, 198
Guelph dolomite.....	135, 137, 143, 158, 192, 193
Halysites gracilis.....	10
Hillsboro sandstone.....	135, 137, 187
Hopkinton formation.....	194
Hormotoma cf. major.....	10
Huntingdon formation.....	158, 159, 193
Hydrocarbons, saturated and unsaturated.....	210
Iddingsia shantungensis.....	275
Inachus undatus.....	91
Index of Silurian faunal lists.....	204
to formations.....	121
Indiana formations in western Ohio.....	161
Silurian.....	163
Interferometer, compound.....	207
Iowa Maquoketa cephalopods.....	231
Isolated Brassfield exposure in central Kentucky.....	127, 169
Brassfield exposures on Cumberland River of Kentucky.....	170
Joliet formation.....	194
Kenneth formation.....	186
Kentucky Silurian.....	163, 169
Kionoceras.....	23
doricum.....	23
largum.....	9
paucicostatum.....	9, 23, 24
postvillense.....	243
tenuitectum.....	244
thomasi.....	242
Kirkoceras.....	260, 277
areuatum.....	277
Kobayashi Teiichi.....	259, 273, 275, 284
Kochoceras.....	58
cuneiforme.....	58
grande.....	58
magnicameratum.....	9

Kochoceras subcirculare.....	9
subellipticum.....	9
sublentiforme.....	9
Kokomo formation.....	186, 198
Ladd, Harry S.....	233
Lambeoceras.....	6, 13, 51
acutilaterale.....	55
confertum.....	5, 6, 11, 51
cf. confertum.....	52
cultratum.....	6, 9, 11, 54
lambii.....	3, 12, 51
landerense.....	53, 55
peculiare.....	9
cf. princeps.....	3
sp.....	9
Landeroceras.....	69
landerense.....	9
prolatum.....	69
Laurel limestone.....	129, 165, 177, 194, 196
limestone in western Ohio.....	145, 152, 193
Lego limestone.....	173, 178, 196
Levisoceras.....	260, 271, 278
mercurius.....	278
Light sources, new, for photographic purposes.....	97
Lilley formation.....	137, 138, 141, 192
Liston Creek formation.....	159, 160, 194
Lituities complanata.....	288
seelyi.....	267
undatus.....	91
Lobelville formation.....	172, 173, 181, 184, 195, 197, 198
Lophospira augustina.....	5
Louisville limestone.....	166, 171, 184, 195, 196, 198
Lower Cliff.....	135
Maclurea crassa.....	5
cuneata.....	5
manitobensis.....	5, 10
Manlius formation.....	186, 198
Maquoketa shale cephalopods.....	231
Massie clay.....	129, 145, 153, 193
Mcqueenoceras.....	260, 279
jeffersonense.....	279
Medinan.....	123
Megalomus.....	137, 143, 144
Metaplectoceras.....	91
canadense.....	12, 91



Metaplectoceras halli.....	91
landeroceras.....	91, 92
lowi.....	91
occidentale.....	91
undatum.....	91
Mississinewa shale.....	159
Multicameroceras.....	259
Mysticoceras.....	280
marcoui.....	281
vicinum.....	281
Nanno.....	16
aulema.....	16
walcotti.....	11, 17
Nashville dome.....	201
Nautilus jason.....	90
Neumatoceras.....	10, 31
breviposticum.....	9, 31, 34
canyonense.....	11, 31, 34, 36
cf. canyonense.....	32, 35
gibberosum.....	10, 31, 32
milleri.....	32, 36
nutans.....	10, 31, 33
sp. (Bear Trap Creek).....	11, 32, 37
sp. (Eight Mile Mountain).....	32, 38
subrectum.....	9
New Corydon formation.....	159
Genera of Ozarkian and Canadian cephalopods.....	259
Niagara shales.....	135
Niagaran at Hillsboro.....	135
at Ridgeville, Indiana.....	157
of northern Indiana.....	159
of southern Ohio.....	135
"Ohio" Clinton.....	124
Ohio Silurian.....	127, 135, 144, 161, 185, 198
Oldham limestone.....	127, 130, 189
Oncoceras.....	42
constrictum.....	42
magnum.....	71
minnesotense.....	5
mumiaforme.....	45
pandion.....	28
parvum.....	42
tumidum.....	32
Oneotoceras.....	282
loculosum.....	283
Onychoceras.....	260, 283
confertissimum.....	283

Orthoceras adamsi.....	265
cataline.....	275
crotalum.....	24
doricum.....	23
hastatum.....	48, 49
lamareki.....	285
marcoui.....	281, 282
mendax.....	285
ortoni.....	7
perroti.....	244
perseus.....	263
rivale.....	22
sociale.....	239
sp.....	9
wauwatosense.....	22
Osgood formation.....	164, 174, 176, 191, 194
in western Ohio.....	129, 145, 150, 151, 161, 193
Ostracods in Bisher formation.....	141, 191
in Oldham limestone.....	132, 190
in Ribolt shale.....	134, 139, 191
Oxoplectia ulrichi.....	6
Oxygonioceras.....	40, 43
latum.....	3, 43, 44
oxynotum.....	43
Pachendoceras.....	260, 283, 286
huzzahense.....	283
Paractinoceras.....	56
canadense.....	6, 9, 10, 12, 56, 57
Pebbles in Brassfield limestone.....	126, 146, 163
Peebles formation.....	137, 138, 141, 143, 192, 193
Pegram, Tennessee.....	178
Pentamerus.....	131, 133, 137, 138, 157, 158, 167, 168, 172
limestone.....	135, 137, 141, 155
Photoflash lamp.....	101
Photography, New light sources for photographic purposes.....	97
Piloceras.....	266
explanator.....	266
newtonwinchelli.....	268
Platyerella manniensis zone.....	147, 188
Plectoceras.....	90
halli.....	91
jason.....	90
lowi.....	91
occidentale.....	91
undatum.....	91
Plectronoceras.....	259, 275, 284

Plectronoceras cambria.....	284
liaotungense.....	259, 275, 284
Plectronoceratidae.....	259
Plum Creek clay.....	130
Polygrammoceras sp.....	242
Probillingsites.....	18
milleri.....	11, 19
welleri.....	18
Protocycloceras.....	284
lamarcki.....	285
mendax.....	285
Pseudolingula iowensis.....	6
Put-in-Bay dolomite.....	185, 186
Racine.....	137, 193
Raisin River dolomite.....	185, 198
Receptaculites cf. oweni.....	10
Ribolt clay shale.....	128, 134, 138, 139, 152, 190
Richardsonoceras.....	31, 39
simplex.....	39
subcuneatum.....	11, 40, 41
wyomingense.....	40
Ridgeville, Indiana.....	154, 157, 202
Robsonoceras.....	260, 285
robsonense.....	285
Rochester formation.....	129, 191, 195
Sactoceras canadense.....	56
maquoketense.....	248
Saffordoceras.....	260, 285
jeffersonense.....	286
Seelyoceras.....	260, 286
raei.....	286
Shelbyoceras.....	260, 279, 287
robustum.....	287
Shumardoceras.....	260, 288
complanatum.....	288
Silurian of northern Indiana.....	122, 157
of northern Tennessee.....	171
of southern Indiana.....	163
of western Kentucky.....	163
of western Ohio.....	144
of western Tennessee.....	175, 196
of Wisconsin.....	122
Sinoeremoceras.....	259, 284
Southern sources of Silurian faunas.....	199
Springfield dolomite.....	129, 135, 137, 145, 155, 193
Spyroceras.....	24

Spyroceras anellus.....	25
cf. anellus.....	25
calvini.....	245
chamblense.....	246
clermontense.....	246
crotalum.....	24
distoannulatum.....	26
hastiformum.....	9, 24
microlineatum.....	247
olorus.....	9, 25
perroti.....	244, 246
rarum.....	9, 10
sp.....	247
wyomingense.....	9
Stemtonoceras.....	260, 288
elongatum.....	288, 289
Stricklandinia norwoodi.....	130, 132, 133
Sylvania sandstone.....	138, 187
Tarphyceras.....	267
Tennessee Silurian.....	171, 175
Thuleoceras.....	59
Trimerella.....	137, 143, 144
Tripteroceras.....	48
hastatum.....	48, 49
lambi.....	5, 51, 54
paquettense.....	49
Tripterocerina.....	49
kirki.....	49
Trochoceras mecharlesi.....	79
oxynotum.....	43
Tymochtee dolomite.....	185, 186, 198
Ulrich, E. O.....	259
Waco limestone.....	127, 131, 190
Walcottoceras.....	260, 289
monsense.....	290
Waldron clay shale.....	166, 174, 177, 196
facies in Liston Creek formation.....	160
in western Ohio.....	162, 193
Wanwanoceras.....	259
Warren, Kenneth Lyle, and Chamberlain, C. W., Study of phenomenon of wetting films.....	206
Waukesha dolomite.....	193
Westonoceras.....	7, 59
contractum.....	32
deckeri.....	4, 11, 60

Westonoceras manitobense.....	3, 12, 59
minnesotense.....	5, 51
West Union formation.....	135, 136
Wetherbyoceras contractum.....	9, 45, 46
Wetting films.....	206
Whitfieldella quadrangularis zone.....	125
subquadrata zone.....	124, 170
Whitfieldoceras.....	45
contractum.....	9, 45, 46
minimum.....	11, 45
Wilsonoceras.....	79
bighornense.....	9, 10, 79, 83
cf. bighornense.....	81
brevicameratum.....	82
insigne.....	12, 13
meccharlesi.....	3, 12, 79
sp.....	3, 4, 9
squawcreekense.....	9
Winnipegoceras.....	38
laticurvatum.....	12, 38
sp.....	32